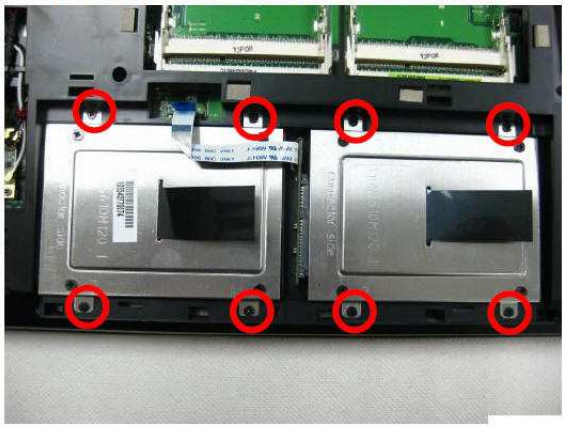
Asus G74 G74Sx disassembly

In this guide we will show you how to disassemble the Asus G74Sx notebook. You can use this to repair or modify Asus G74Sx laptop. Though this disassembly guide is not fully complete we are here to help.

Remove Memory Module

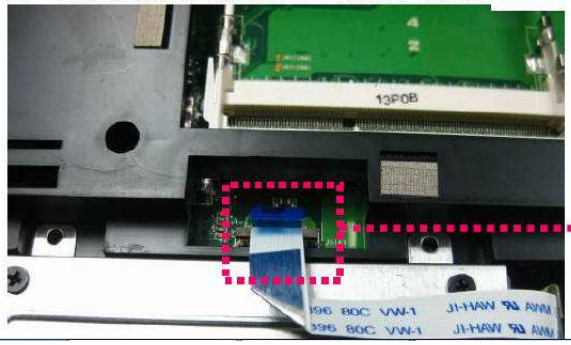
1. Loosen 1 screw on the main door and take the door away.

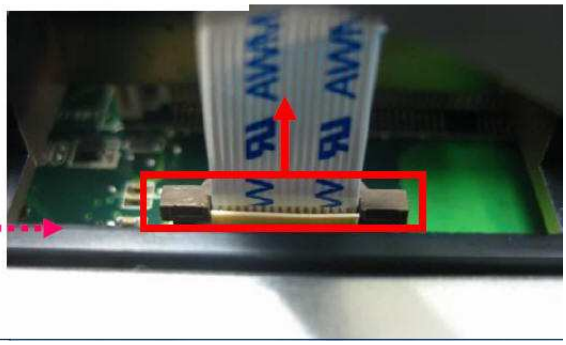
1. Remove 8 screws on two HDDs.



3. Take the HDD module away.

2. Disconnect the HDD board cable.

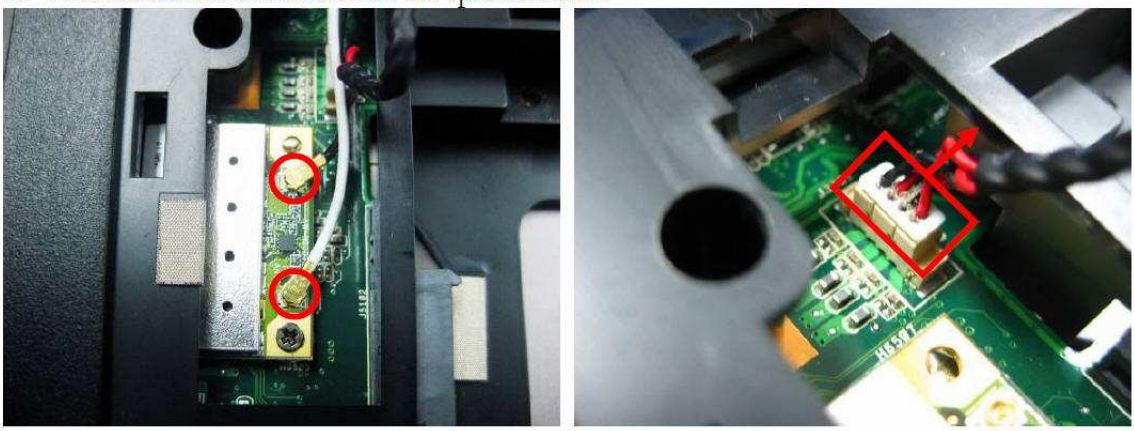




Be careful when removing ribbons and cables and panels. They all have ribbon locks. Locks must be open when removing ribbons.

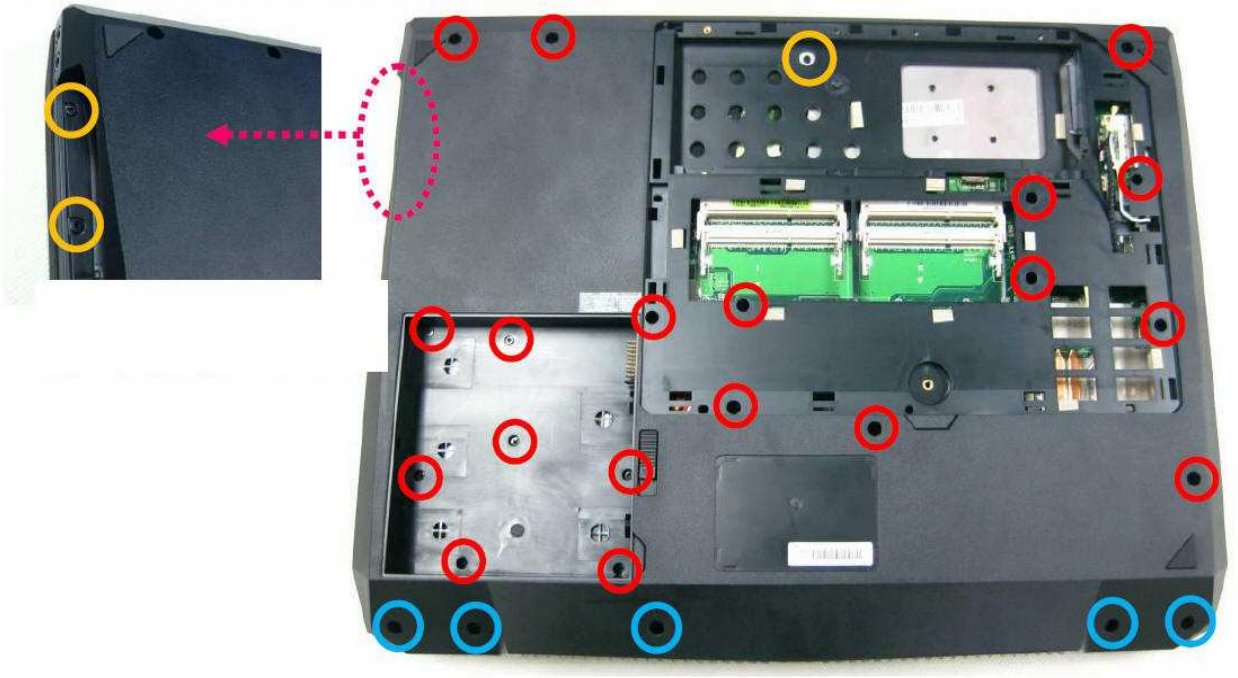
1. Remove 1 screw on the ODD and take the ODD away.

1. Disconnect the antennas and the speaker cable.



Be careful when removing cables. Pulling by the wire may result in breaking the wire or pulling out the leads. It is good practice to loosen the plastic connector first gently.

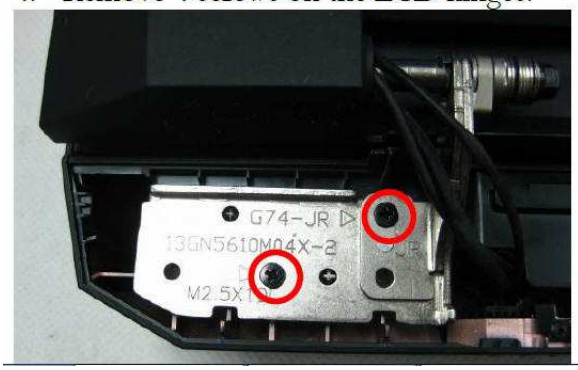
2. Remove 27 screws on the bottom case.

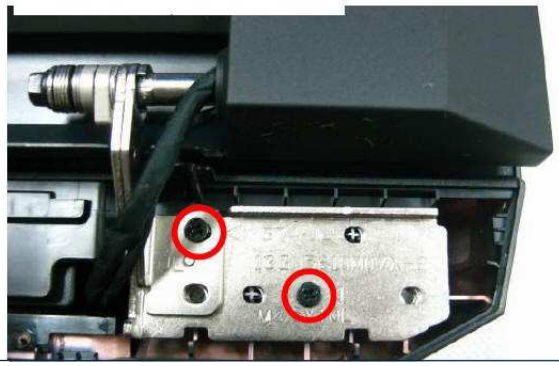


The best way to remove the hinge cover is to simple use your hands, no tool is required. It simply flips over towards the back.

3. Pry up the bracket and take it away.

4. Remove 4 screws on the LCD hinges.



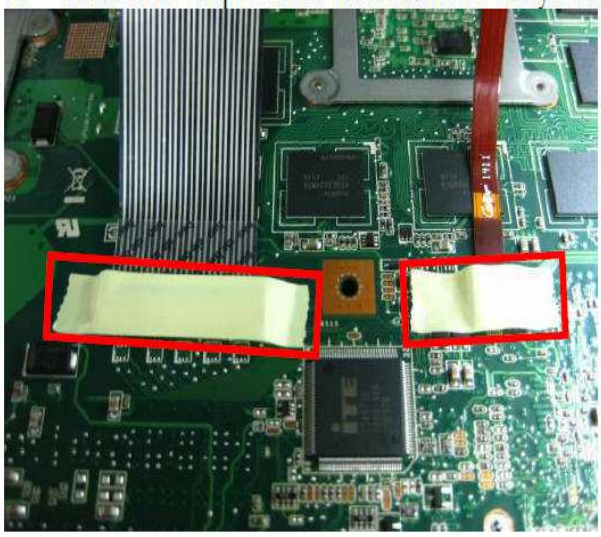


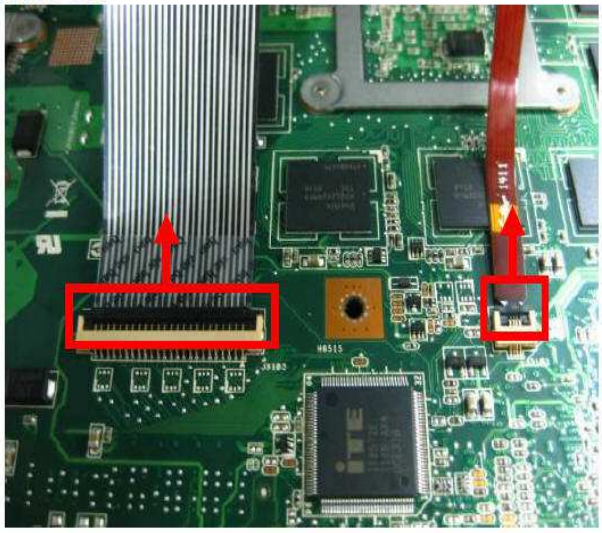
Removing the top cover is the hardest part here. It will not want to come off. The best way to do this is to pull up from the middle while spreading with finger nails on the sides from top to bottom. The left and right side has 4 clips on each side. In order to remove the panel without breaking the clips you have to pull up on the panel while spreading very slightly the gap between the top cover and the bottom. The gap between the covers runs from the top to bottom on the far left and right on the top cover.

5. Pry up the top case.

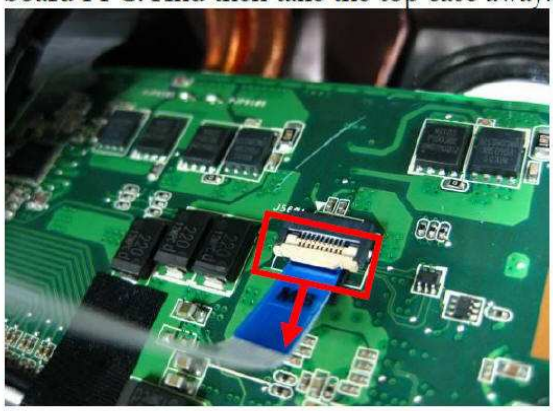
Once the top cover is off there are still 5 cables connected to the top side of the mainboard. These need to be removed. The pictures below show you how to remove parts of the top cover. This does not need to be done if you are just trying to get to the G74Sx motherboard.

8. Tear off 2 tapes and disconnect 2 keyboard FFCs.

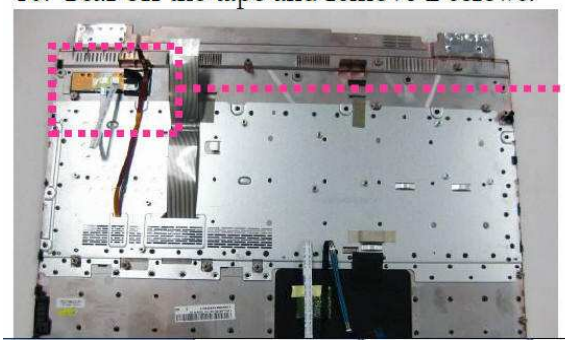


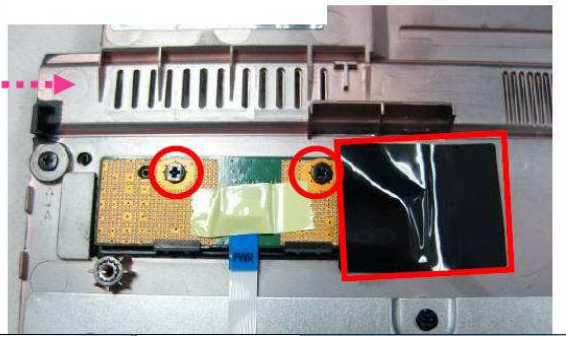


9. Tear off 1 tape and disconnect the power board FFC. And then take the top case away.



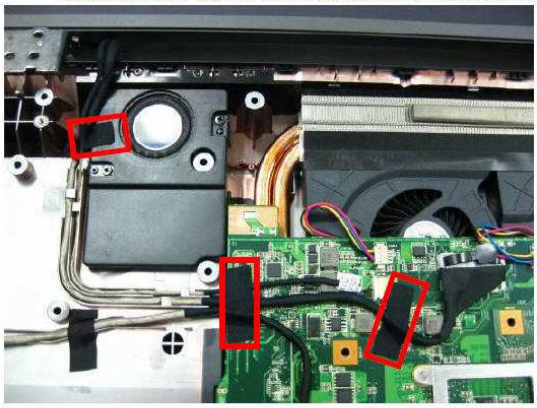
10. Tear off the tape and remove 2 screws.

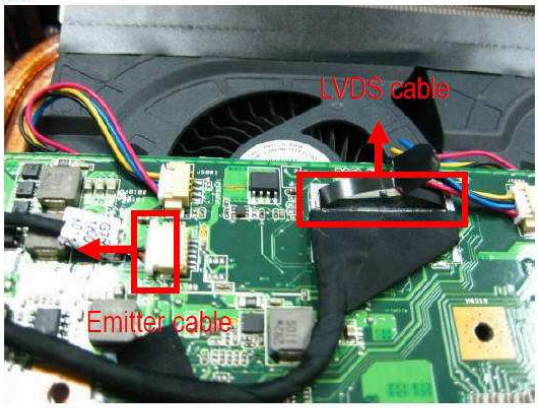




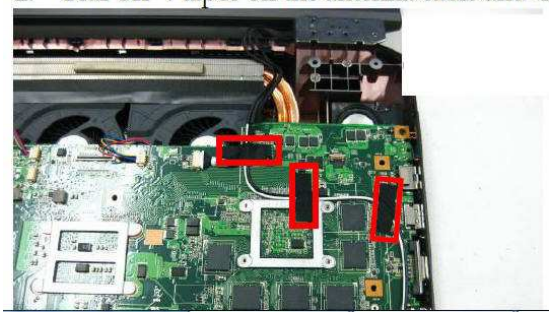
It is important to remember the cables positions, how many and the positions of the tape. The tape will need to be reused. it is good practice to use a tweezers instead of fingers as they can leave oils.

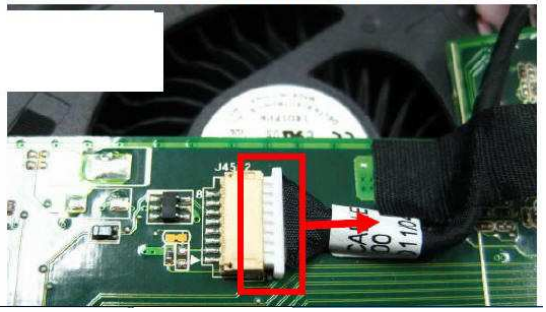
1. Tear off 3 tapes on the LVDS cable and emitter cable and release the cables out of the latch Disconnect the LVDS cable and emitter cable.



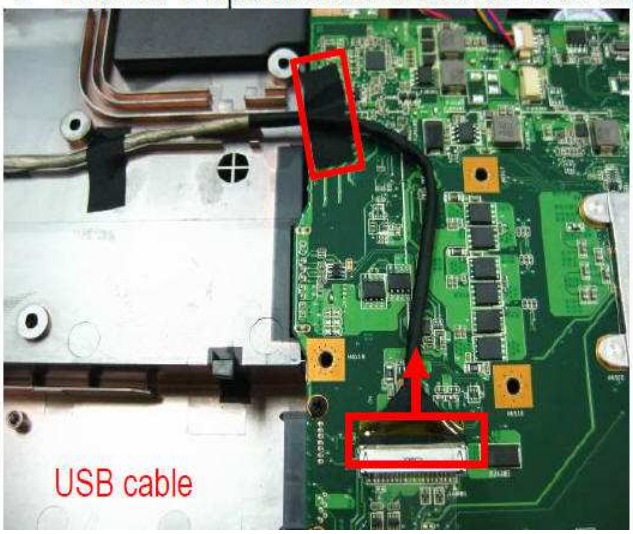


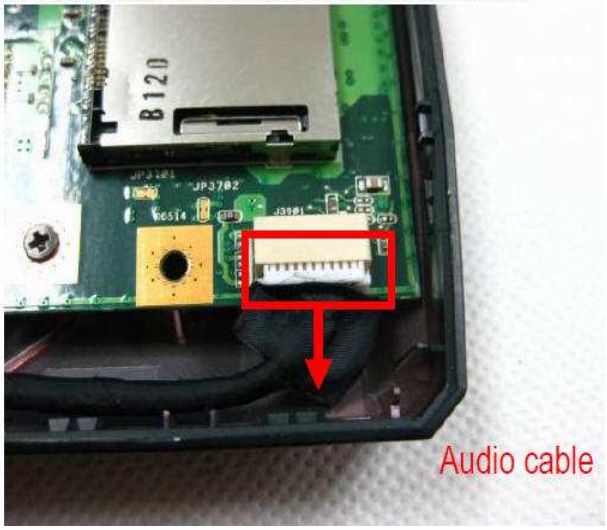
2. Tear off 4 tapes on the antenna cable and CMOS cable. Disconnect the CMOS cable.





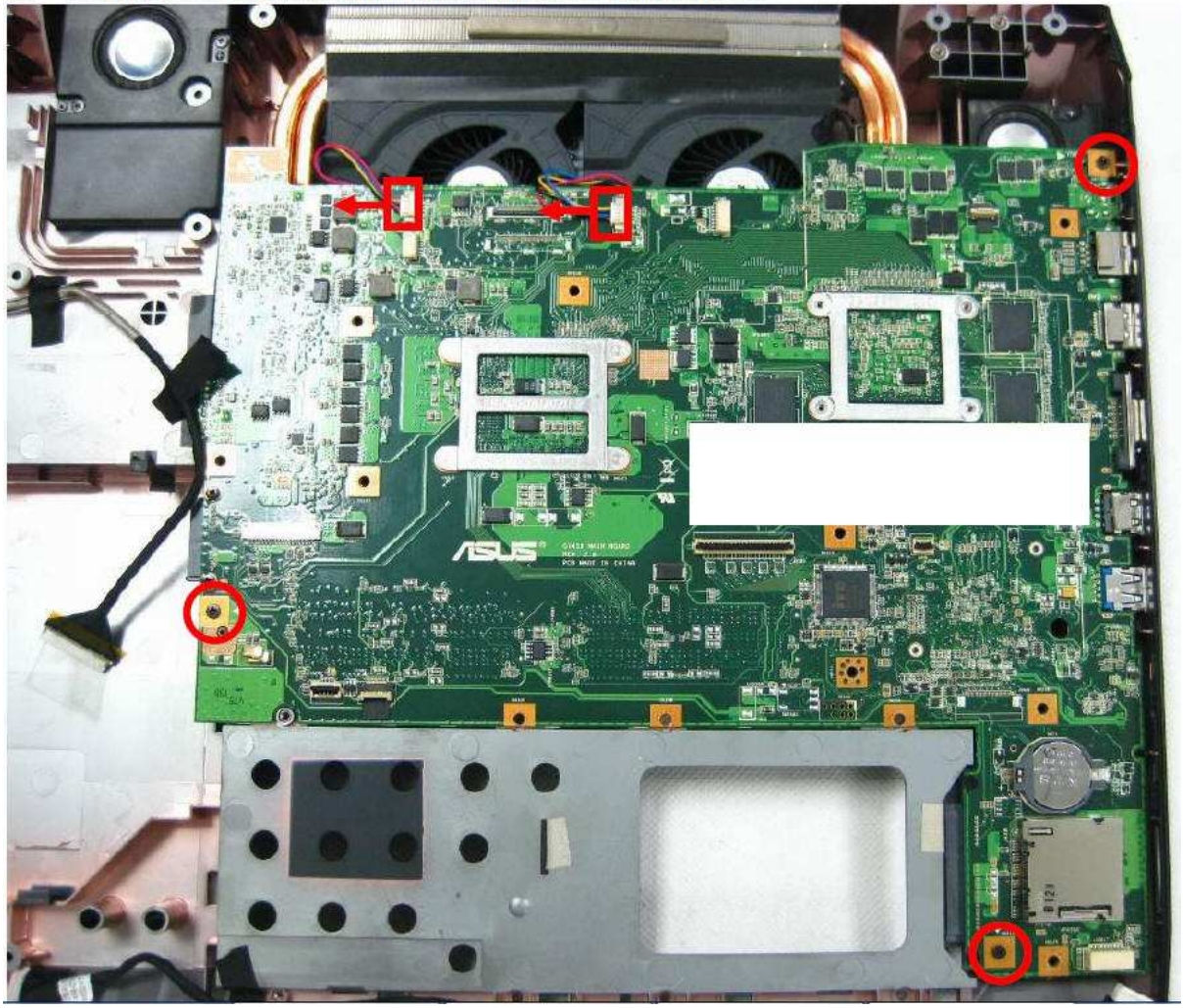
4. Tear off 1 tape and disconnect the USB cable. And then disconnect the audio cable.





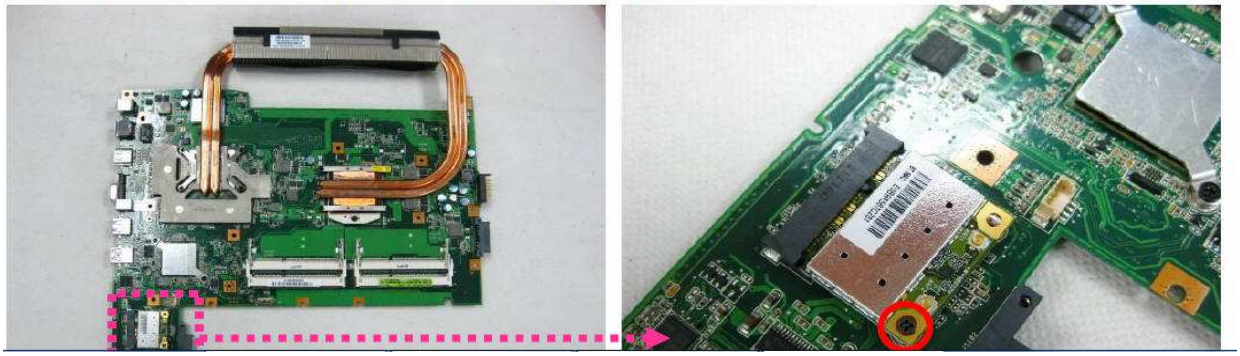
Here comes the tricky part. Removing the main board is not easy. Makes sure to disconnect the 2 fan cables. Also remove the black vinyl tape that is covering the top part of the fans and the bottom of the radiator. This will later be reused. The battery charging pins are blocked by a piece of plastic. Flipping over the motherboard is easier said than done. The radiator is jammed between the rear exhaust and the fans. To loosen it you physically have to push back the plastic behind the radiator while pushing back the plastic on the far right to allow the motherboard to flip over from the right side up. At this point all cables on the top side of the motherboard should be out of the way and 3 screws shown in the below pictures out. While prying the plastic on the far right and pushing the plastic on the top covering the radiator exhaust you need to flip the motherboard over from the right side. The USB ports and other ports must have clearance in order to move. This means the plastic must be pushed back roughly a quarter inch. The plastic behind the radiators also must be pushed out roughly a quarter inch.

5. Remove 3 screws and disconnect 2 fan cables.



6. Carefully take the main board away.

7. Remove 1 screw on the WLAN&BT module.



You do not have to fully dismount the motherboard. You can improvise a way to simply flip the board over inside the chassis and gently work on it without removing the motherboard.